

Amendments to the Claims

I. (Currently Amended) A computerized design parameter managing method for managing design parameters used respectively in a plurality of different CAD systems, ~~characterized by that~~ comprising:

performing computerized separation of CAD data used, respectively, in the plurality of CAD systems into geometrical information and attribute information;

performing computerized setting up of arbitrary design parameters among the design parameters used respectively in the plurality of different CAD systems ~~are made to be into~~ a virtually shared state among the plurality of different CAD systems;

performing computerized correlation of the separated attribute information with the parameters set up into the virtually shared state;

performing computerized accessing and recognizing of the separated attribute information correlated with the parameters set up into the virtually shared state among CAD data used respectively in the respective CAD systems;

performing computerized management of geometrical information of the parameters set up into the virtually shared state which are correlated with the accessed and recognized attribute information as objects with data compatibility in the plurality of different CAD systems;

performing management of geometrical information other than that of the parameters set up into the virtually shared state which are correlated with the accessed and recognized attribute information as objects without data compatibility in the plurality of different CAD systems; and

displaying the geometrical information for use in development of a product.

~~and the design parameters in the virtually shared state are managed independently from the design parameters in no virtually shared state.~~

2. (Currently Amended) A computerized design parameter managing system for managing design parameters used respectively in a plurality of different CAD systems, ~~characterized by having comprising:~~

a computerized system component for separating CAD data used respectively in the plurality of different CAD systems into geometrical information and attribute information

a computerized system component ~~a setup means~~ for setting up arbitrary design parameters among the design parameters used respectively in the plurality of different CAD systems into a virtually shared state among the plurality of different CAD systems;

a computerized system component for correlating the separated attribute data with the parameters set up into the virtually shared state;

a computerized system component for accessing and recognizing the separated attribute data correlated with the parameters set up into the virtually shared state among the CAD data used respectively in the plurality of different CAD systems;

a computerized system component for managing geometrical information of the parameters set up into the virtually shared state which are correlated with the separated attribute data as objects with data compatibility in the plurality of different CAD systems; and

a computerized system component ~~managing means~~ for managing geometrical information other than that of the parameters set up into the virtually shared state which are correlated with the

separated attribute information as objects without data compatibility in the plurality of different CAD systems independently the design parameters in the virtually shared state set up by the setup means from the design parameters in no virtually shared state; and
a display for displaying the geometrical information for use in development of a product.

3. (Currently Amended) A The computerized design parameter managing system for managing design parameters used respectively in a plurality of different CAD systems as claimed in claim 2, characterized by having further comprising:

a computerized registration means component for registering arbitrary design parameters among the design parameters used respectively in the plurality of different CAD systems as the shared parameters among the plurality of different CAD systems to a database;

a computerized history managing means component for managing a history between the design parameters used respectively in the plurality of different CAD systems and the shared parameters registered to the database by means of the registration means; and

a computerized finite difference managing means component for managing the finite differences between the design parameters used respectively in the plurality of different CAD systems and the shared parameters registered to the database by the registration means based on the history managed by the history managing means.

4. (Currently Amended) The computerized design parameter managing system as claimed in claim 3, characterized by further having comprising:

a computerized notification means component for notifying the finite differences managed by the finite difference managing means to the plurality of different CAD systems.

5. (Currently Amended) The computerized design parameter managing system as claimed in claim 2, ~~characterized by further having~~ comprising:

a computerized preparation means component ~~of capable of adapted to prepare~~ preparing three-dimensional data in a condition wherein logical electric design information has been correlated to physical three-dimensional configuration information.

6. (Currently Amended) The computerized design parameter managing system as claimed in claim 2, ~~characterized by further having~~ comprising:

a computerized component ~~means~~ for preparing and managing an electronic parts data library which has been modeled in a three-dimensional configuration; and

wherein the three-dimensional electronic parts data library ~~being~~ are arranged so as to have parts origin information and material physical property information and so as to correlate the parts origin information and the material physical property information with the shared parameters set up in the virtually shared state.

7. (Currently Amended) A computer program embodied in or on a computerized readable medium for executing the design parameter managing method as claimed in claim 1 with respect to a computer.

8. (Currently Amended) A ~~program to function a computer as the~~ computerized
design parameter managing system as claimed in any one of claims 2, 3, 4, 5 and 6, further
comprising a computer program embodied in or on a computerized readable medium programmed
for use in the design parameter managing system.

9. (Canceled)